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Kiesewetter

ORCHID

GARDENS

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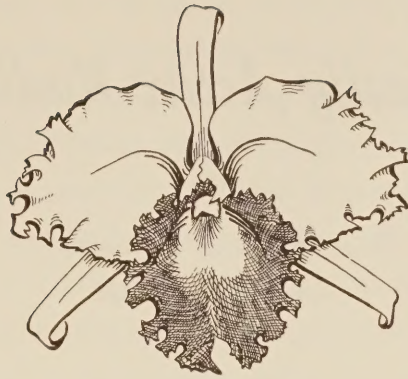
1957



C A T A L O G U E







Ralph R. Kieseewetter's

many years of experience as an Orchid Hybridist go into the making of every seedling produced at Kieseewetter's Orchid Gardens. Through these years, no effort has been spared to guard and maintain the long-established, strict, and well-recognized policy of Kieseewetter's **SUPERIOR QUALITY PRODUCTION**. Second to none, the very best stud plants procurable are used in each of Kieseewetter's crosses, and every one is guaranteed to be as herein represented.

Wasted years of anticipation and expensive efforts, doomed to end in disappointment, can be avoided by the selection of reliable, modern seedlings based upon the ultimate in technical advancement and developed by the skill and craftiness of a professional hybridist of long experience.

You can select a Kieseewetter seedling with confidence. Our **KNOW-HOW** and **FIDELITY OF PURPOSE** are **YOUR PROTECTION**.

Biologically Active Radiations

by

Dr. James A. deTomasi

Research Consultant

On occasion, steeped in mystery, loose talk is heard across the land. New orchids, tomorrow, born of atomic energy!

The truth of the matter is that hopes for the development of something really new and worthy must be tempered by a host of responsible considerations. Radiations of all kinds are just another tool for shocking living matter into some sort of rearrangement. But, as of today, while much has been learned, little is still understood of its mechanics. Neither, for that matter, are many of the details of genetics clearly spelled out. It follows that we are still a very long way from knowing how to produce, at will, just the end product we might want.

Radiations of all kinds are merely different wavelengths of the overall electromagnetic wave spectrum of radiant energy to which heat rays, the colors of visible light, and radiowaves also belong. At the shorter wavelength end of the scale are found ultraviolet, α , α , β , and γ rays. Ultraviolet rays are amongst the biologically active. The mechanism of their activity, dependent as it is on the molecular structure of the matter traversed, is based upon the mere excitation of electrons (in the matter) to levels of higher energy. This is a process of limited biological efficiency, especially with highly complex organic molecules as in plant tissues. On the other hand, α , α , β , and γ rays primarily knock electrons out of the atoms of the matter traversed, thus originating ions. This process of "ionization" is at the bottom of all chemical reactions assumed to be responsible for most radiation effects of biological importance. Of the ionizing radia-

tions, α , β , and γ rays are obtainable from radioactive sources such as radium and allied materials. Also ionizing are X rays, protons, and neutrons. X rays can be very active biologically, and are commonly obtained from special vacuum tubes. Protons and neutrons, atomic particles released as beams in a cyclotron, have so far given limited results. Fast neutrons, produced in nuclear reactors by fission of materials such as uranium, can be moderated to slow or thermal neutrons. The latter have proven of considerable biological significance as they give rise to effective secondary radiations of the α and γ type within the atoms of biological materials. In the views of one authority, the energy of all ionizing radiations is dissipated by the passage thru tissues of either electrons, protons, or α particles. These may be produced externally by a radio-active or an artificial source, or may be liberated within the tissue when irradiated by X rays or neutrons, or impregnated with radio-active materials (isotopes).

How do radiations exert biological action? Decomposition products of various cell constituents, originated by chemical changes, may affect the normal functioning and development of cells, tissues, and organisms. In general terms, the higher the dilution and the molecular weight of any one constituent, the more efficient is the action of radiation. Densely ionizing radiations (such as α rays originating densely ionizing particles like protons and slow electrons) passing thru specific cell structures may so profoundly modify them as to affect the organization and behaviour of the cell as a whole. This is the case of the chromosome that can actually be broken at any one location, thus modifying the genetical characteristics of that cell. Although these effects are exerted at levels far below visibility, chromosome radiation breaks and rearrangements are within the reach of visual microscopical analysis. Similarly, pinpoint radiation-induced ionization in certain specific molecules may result in radical changes, indicated as gene mutations, deeply affecting the pattern of the hereditary process. Results of this type, which may include production of manifold chromosome aberrations, as well as inactivation of viruses and bacteria, are encompassed in the ever-growing basis of the Treffer or target

theory of biological effects of radiation. Chemically, the basic constituent of the structures aforementioned is nucleoprotein, also ascribed to the gene. As everybody knows, genes are the units or physical entities located in chromosomes and responsible for hereditary characters. Like viruses, they can duplicate themselves so that at cell division, when the chromosomes split longitudinally, they also divide, thus endowing the daughter cells with precisely the same gene complement as the mother cell. Anything, as by radiation, that might happen to one or more genes, whether individually or as a collective disturbance of their numbers and arrangements, (there might be a thousand genes in one chromosome), will deeply affect the cell, the tissues deriving from it, and eventually the whole organism.

It is necessary to make it clear that changes brought about by whatever radiation, large and good enough to become useful mutations, are so far to be expected at only a very low frequency rate. It is also plain that radiation biology as a comparatively new field of scientific endeavour is, with all its intricacies, as yet rife with unknowns. It is for these and other reasons that caution is recommended over excessively enthusiastic expectations. In the development of future orchids, as grasp of controlling factors will gradually accumulate, we can soberly hope in and surely count on worthy results, eventually. It shall require time and a great deal of basic work. We have been actively exploring this field since 1954. So far our overall research has been broadened to include the genera *Oncidium*, *Epidendrum*, *Miltonia*, *Aerides*, *Epiphrontis*, *Laelia*, *Cattleya*, *Laeliocattleya*, *Brassocattleya*.

It has been our wish to apprise you in some detail of another phase of our relentless search for the new. Once more we want you to know that the same basic policy still stands at Kiesewetter's. Pioneers in original development, leaders in progress thru research.

SEEDLINGS - Laboratory Controlled - in Bottles of 75 or more
IRRADIATED and NON-IRRADIATED

Parental Characteristics: high floriferousness; 3-6 flowers per plant; heavy texture; overall diameter 7"—9"; petal width 3" — 3½"

Very large exhibition-type flowers expected in progeny.

"The PRIZE WINNING PLANT is grown from A FINE SEEDLING"

Cross Number		Parentage Description	Price Per Bottle
W H I T E			
L-118	Tetraploid	C. Joyce Hannington, F.C.C. x	\$35.00
	Diploid	C. Barbara Dane X C. Rita Sladden Fine, well-shaped, large flower (controllable)	
L-124	Tetraploid	C. Joyce Hannington, F.C.C. x	\$35.00
	Diploid	C. H. L. Dillon Wonderful exhibition type (controllable)	
L-126	Diploid	C. Concinnity x	\$35.00
	Tetraploid	C. Joyce Hannington, F.C.C. If you are interested in an exhibition type flower—this is it.	
L-134	Diploid	C. Bow Bells, F.C.C. x	\$35.00
	Tetraploid	C. Joyce Hannington, F.C.C. (controllable) Two of the finest forms of hybrids are com- bined in this outstanding heavy textured flower. In a class by itself.	
L-137	Tetraploid	C. Joyce Hannington, F.C.C. x	\$35.00
	Diploid	C. Frieda Sander Very fine for exhibition as well as above average for cut flowers.	
L-144	Diploid	C. Bob Betts, F.C.C. x	\$35.00
	Tetraploid	C. Joyce Hannington, F.C.C. (controllable) An extra large bloom, free flowering, heavy textured.	

SEEDLINGS in Bottles (continued)

Cross Number		Parentage Description	Price Per Bottle
WHITE & PURPLE			
L-147	Diploid	C. Trianae Reinekiana	\$35.00
		x	
	Tetraploid	Lc. Cynthia var. Majestica	
		One of the finest Spring flowering types. Large bloom, heavy textured, well formed.	
PURPLE			
L-93	Tetraploid	Lc. Princess Margaret var. Stonehurst	\$35.00
		x	
	Diploid	C. Peetersii	
		A fine cross of outstanding parentage producing large, free flowering blooms ranging from medium to very dark.	
L-113	Tetraploid	Lc. Princess Margaret, var. Stonehurst	\$35.00
		x	
	Diploid	Lc. Trails End, F.C.C.	
		A medium to very dark flower, well balanced and fine texture.	
L-117	Diploid	C. Tethys, var. Abundance, A.M.	\$35.00
		x	
	Tetraploid	Lc. Tokyo Rose	
		Excellent, free flowering, very dark bloom.	
L-120	Tetraploid	Lc. Princess Margaret, var. Stonehurst	\$35.00
		x	
	Diploid	Lc. Washington, A.M.	
		Extra large flower with very dark lip.	
L-121	Tetraploid	Lc. Princess Margaret, var. Stonehurst	\$35.00
		x	
	Diploid	Lc. Cuesta, F.C.C.	
		Here is a gorgeous very dark modern hybrid. Outstanding in shape and texture.	
L-122	Diploid	Lc. Cuesta, F.C.C.	\$35.00
		x	
	Tetraploid	Lc. Hilary, F.C.C.	
		The combination of these two outstanding crosses has produced some of the finest hybrids yet cultivated. Gorgeously dark with very dark lip.	
L-128	Diploid	Slc. Rosamond, var. Westonbirt	\$35.00
		x	
	Tetraploid	C. Labiata, var. Westonbirt	
		This is expected to be a medium size very dark bloom with a Red tinge. Exhibition type.	

SEEDLINGS in Bottles (continued)

Cross Number		Parentage Description	Price Per Bottle
P U R P L E			
L-133	Tetraploid	C. Labiata, var. Westonbirt, F.C.C. X	\$35.00
	Diploid	C. Tethys, A.M. One of the darkest exhibition types grown.	
L-135	Diploid	C. Peetersii X	\$35.00
	Tetraploid	Lc. Areca, var. Model, F.C.C. An outstanding free flowering bloom, well balanced, ranging from medium to dark.	
L-136	Tetraploid	Lc. Joseph Hampton, F.C.C. X	\$35.00
	Diploid	C. Peetersii Two fine parents resulting in a medium color with exceptionally dark lip.	
Y E L L O W			
L-123	Diploid	Blc. The Baroness X	\$35.00
	Tetraploid	Blc. Chief Joseph This combination produces various shades from Golden Yellow to Yellow with Bronze overtones.	
L-140	Tetraploid	Blc. Chief Joseph X	\$35.00
	Diploid	Lc. Redskin This is one of the finest Yellows that has been developed to date.	
L-145	Tetraploid	Lc. Moonbeam X	\$35.00
	Diploid	Lc. Luminosa Aurea (controllable) A very free flowering type. Popular for Spring shows.	
R E D			
L-103	Diploid	Slc. Anzac, var. Orchidhurst, F.C.C. X	\$35.00
	Tetraploid	Lc. Cuesta, F.C.C. Here is a union of two grade "A" parents producing a Red to dark Purple bloom. Heavy textured and well balanced pro- portions.	
L-104	Diploid	Slc. Anzac, var. Orchidhurst, F.C.C. X	\$35.00
	Tetraploid	Lc. Princess Margaret, var. Bonnycrest The two famous parents combined in this cross produce a Red to dark Purple flower. Free flowering, heavy texture.	

SEEDLINGS and PLANTS

of Laboratory-Controlled Parentage

Parental Characteristics: high floriferousness; 3-6 flowers per plant;
heavy texture; overall diameter 7"—9";
petal width 3"—3¼"

Very large exhibition type flowers expected in progeny

POT SIZE	PRICE	POT SIZE	PRICE
2½"	\$ 3.00	5"	\$15.00
3"	5.00	5½"	20.00
4"	10.00	6"	25.00
4½"	12.50		

NUMBER CROSS	PARENTAGE DESCRIPTION
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P U R P L E

K-16	Diploid	Lc. Gertrude Hampton, F.C.C.
		X
	Tetraploid	C. Robert H. Jewell, F.C.C.
		This is a cross that will command interest. A large range of color from extremely dark purples to yellows with red lips.
K-48	Diploid	C. Peetersii
		X
	Tetraploid	Lc. Gertrude Hampton, F.C.C.
		A very fine free-flowering, heavy textured large dark purple flower. This cross is controllable
K-55	Diploid	Lc. Trail's End, F.C.C.
		X
	Tetraploid	C. Labiata
		Here is a combination that produces a bloom which is everything that is expected in a fine modern hybrid. This cross is controllable
K-58	Diploid	Lc. Ceylon Topaz
		X
	Tetraploid	C. Labiata
		This cross will produce large, heavy-textured dark purple flowers for the Christmas season. This cross is controllable

Seedlings and Plants - (continued)

CROSS NUMBER		PARENTAGE DESCRIPTION
P U R P L E		
K-71	Diploid	Lc. Trail's End, F.C.C.
		X
	Tetraploid	Lc. Hilary, F.C.C.
		Two of the finest forms of hybrids that are famous for their quality are combined here. The result is a large heavy-textured Dark Purple, well balanced flower. This cross is controllable.
K-83	Diploid	Lc. Redskin
		X
	Tetraploid	Lc. Lucifer
		This cross will produce flowers during March, April and May. The blooms are heavy-textured ranging from medium to dark Purple.
KL-104	Diploid	Slc. Anzac, var. Orchidhurst, F.C.C.
		X
	Tetraploid	Lc. Princess Margaret, var. Bonnycrest
		The two famous parents combined in this cross produce a Red to dark Purple flower. Free flowering, heavy textured.
KL-113	Tetraploid	Lc. Princess Margaret, var. Stonehurst
		X
	Diploid	Lc. Trail's End, F.C.C.
		A medium to dark flower, well balanced and fine texture.
KL-117	Diploid	C. Tethys, var. Abundance, A.M.
		X
	Tetraploid	Lc. Tokyo Rose
		Excellent, free flowering, very dark bloom.
KL-120	Tetraploid	Lc. Princes Margaret, var. Stonehurst
		X
	Diploid	Lc. Washington, A.M.
		Extra large flower with very dark lip.

Seedlings and Plants - (continued)

CROSS NUMBER		PARENTAGE DESCRIPTION
P U R P L E		
KL-121	Tetraploid	Lc. Princess Margaret, var. Stonehurst
		X
	Diploid	Lc. Cuesta, F.C.C.
		Here is a gorgeous very dark modern hybrid. Outstanding in shape and texture.
KL-122	Diploid	Lc. Cuesta, F.C.C.
		X
	Tetraploid	Lc. Hilary, F.C.C.
		The combination of these two outstanding parents has produced some of the finest hybrids yet cultivated. Gorgeously dark with very dark lip.
KL-128	Diploid	Slc. Rosamond, var. Westonbirt, F.C.C.
		X
	Tetraploid	C. Labiata, var. Westonbirt, F.C.C.
		This is expected to be a medium size very dark bloom with a Red tinge. Exhibition type.
KL-133	Tetraploid	C. Labiata, var. Westonbirt, F.C.C.
		X
	Diploid	C. Tethys, A.M.
		One of the darkest exhibition types grown.
KL-135	Diploid	C. Peetersii
		X
	Tetraploid	Lc. Areca, var. Model, F.C.C.
		An outstanding free flowering bloom, well balanced, ranging from medium to dark Purple.
KL-136	Tetraploid	Lc. Joseph Hampton, F.C.C.
		X
	Diploid	C. Peetersii
		Two fine parents resulting in a medium color with exceptionally dark lip.

Seedlings and Plants - (continued)

CROSS NUMBER		PARENTAGE DESCRIPTION	
R E D			
		POT SIZE	PRICE
		2½"	\$3.00
		3"	5.00
L-103	Diploid	Slc. Anzac, var. Orchidhurst, F.C.C. X	
	Tetraploid	Lc. Cuesta, F.C.C. Here is a union of two grade "A" parents producing a Red to dark Purple bloom. Heavy textured and well balanced propor- tions.	
L-104	Diploid	Slc. Anzac, var. Orchidhurst, F.C.C. X	
	Tetraploid	Lc. Princess Margaret, var. Bonnycrest The two famous parents combined in this cross produce a Red to dark Purple flower. Free flowering, heavy textured.	

BARGAIN COLLECTIONS
in Seedlings and Flowering Size Plants

Number of Plants	Pot Size	Price
5	2½"	\$12.00
5	3"	20.00
5	4"	40.00
5	4½"	50.00
5	5"	60.00
5	5½"	80.00
5	6"	125.00

PHALAEENOPSIS SEEDLINGS

From

Laboratory - Controlled STUDS

4" - 5¼" diameter		In Bottles ready to be transplanted	Per Bottle
L-106	Diploid	Phal. Chieftain x	\$25.00
	Tetraploid	Phal. Cast Iron Monarch Graceful sprays of large well formed White flowers of heavy texture.	
L-107	Tetraploid	Phal. Cast Iron Monarch x	\$25.00
	Diploid	Phal. Doris Exceptional quality large pure White flower, heavy texture.	
L-110	Diploid	Phal. Doris x	\$25.00
	Tetraploid	Phal. Cast Iron Monarch An outstanding pure White bloom, well formed, heavy substance.	
L-111	Tetraploid	Phal. Cast Iron Monarch x	\$25.00
	Diploid	Phal. Chieftain Gorgeous sprays of well balanced White blooms, fine substance.	
L-112	Tetraploid	Phal. Cast Iron Monarch x	\$25.00
	Diploid	Phal. Doris x Phal. Star of Rio Beautiful large pure White heavy textured flowers, with Red lip.	
L-115	Tetraploid	Phal. Cast Iron Monarch x	\$25.00
	Diploid	Phal. Cast Iron Monarch x Phal. Doris Medium size pure White flower.	



Very Special Offerings

In order to make room in our greenhouses to receive the thousands of newly transplanted seedlings, we are giving our customers the advantage of huge savings on ordering flowering size plants in quantity.

Whether you grow for pleasure or profit, this is a rare opportunity to add exhibition-type crosses to your collection.

The plants are offered in 4" pots at the following prices:

Quantity	Price	<u>Savings to You</u>
12 Plants	\$ 84.00	\$ 36.00
25 "	150.00	100.00
50 "	250.00	250.00
100 "	400.00	600.00

Selections to be made from all quality crosses listed in my catalogue.



A Cordial Invitation

IS EXTENDED TO VISITORS WISHING TO
SEE OUR FINE DISPLAY OF

CATTLEYAS - PHALAENOPSIS
AND VANDAS

WE ARE LOCATED ONLY 20 MILES
FROM NEW YORK CITY

KIESEWETTER ORCHID GARDENS
R. F. D. ROSLYN, N. Y. PIONEER 2-8396

First Offering of

FLOWERING DIVISIONS

These are well established Divisions from our choice cut-flower stock which are offered at the following prices:

<u>QUANTITY</u>	<u>POT SIZE</u>	<u>PRICE</u>	<u>SAVINGS TO YOU</u>
5	4"	\$40.00	\$10.00
5	4½"	50.00	12.50
5	5"	60.00	15.00

Most of the Divisions are potted in "Fir Bark", the new wonder material which produces happy plants and finer flowers, suitable for commercial purposes as well as exhibition.

DIVISIONS OF EXHIBITION -TYPE AWARD WINNING PLANTS

DIVISIONS of the following A.M. Varieties\$35.00 each

BACK BULBS of the following A.M. Varieties 5.00 each

JU-3	Lc. Gertrude Hampton,	A.M.	1035	Lc. Bach Aga,	A.M.
59-E	C. Joyce Hannington,	A.M.	JU-2	Lc. Washington,	A.M.
1033	Lc. Jacquinetta,	A.M.	1091	Lc. Profusion,	A.M.
1125	C. Titriane,	A.M.	1514	Lc. Arnold Kieseewetter,	A.M.
1268	C. Claire Hannington,	A.M.	1226	C. Simplicity,	A.M.
1485	Bc. Princess Schimadzu,	A.M.	1515	Lc. Sabina,	A.M.
JU-26	Blc. Ironsides,	A.M.	1511	Lc. St. Gothard	A.M.
1155	Lc. Mrs. Hanmer,	A.M.	1513	Blc. Melrose,	A.M.
1338	Lc. Electa,	A.M.	1183	Bc. Penelope,	A.M.
1217	Lc. Conquistador,	A.M.	1023	Lc. Braceyana,	A.M.
1167	Bc. Imperialis,	A.M.	1235	Bc. George Ward,	A.M.
JU-31	Lc. Superman,	A.M.	1037	Bc. Helmsdale,	A.M.
1510	Lc. Sargon,	A.M.	1120	C. Susan	A.M.

DIVISIONS of the following F.C.C. Varieties.....\$50.00 and \$75.00 each

BACK BULBS of the following F.C.C. Varieties\$10.00 each

2120	C. Edithae var. C. White Empress,	F.C.C.
19	Blc. Dawn Angela,	F.C.C.
1012	C. White Empress,	F.C.C.
1083	Blc. Caligula,	F.C.C.
59-E	C. Joyce Hannington,	F.C.C.
1283	Lc. Locarno,	F.C.C.
1100	Lc. Hertha,	F.C.C.
1473	Bc. Cliftonii Magnifica,	F.C.C.
1030	Bc. Albion,	F.C.C.

All DIVISIONS and BACK BULBS Subject to Prior Sale.

INDIVIDUAL VANDA SEEDLINGS

Available in the Following Crosses

Some of the finest parents in cultivation were used to produce these Seedlings.

CROSS NUMBER	DESCRIPTION PARENTAGE	POT SIZE	PRICE PER SEEDLING
K-31	Vanda Rothschildiana X Vanda Sanderiana	4"	\$5.00
K-45	Vanda Sanderiana X Vanda Manila	4"	\$5.00
K-30	Vanda Walter Dillingham X Vanda Sanderiana	4"	\$5.00
K-32	Vanda Mary Foster X Vanda Sanderiana	4"	\$5.00
K-34	Vanda Ellen Noa X Vanda Sanderiana	4"	\$5.00
K-8	Vanda Sanderiana X Vanda Herziana	4"	\$5.00
K-22	Vanda Triboulet X Vanda Manila	4"	\$5.00
K-48	Vanda Manila X Vanda Rothschildiana	4"	\$5.00

DENDROBIUMS

A Limited Number of Choice Plants Available in Flowering Sizes

DEND. MERLIN — (Nobile Type)

Beautiful Spring-flowering Lavender with	Offsets	\$ 5.00
deep Purple eyes. 2" - 3" across.	Plants	10.00
January to April		15.00

DEND. THWAITZIAE (Dend. Veitchii X Dend. Aureum)

One of the finest Yellows with deep	Offsets	\$ 5.00
Maroon eye.	Plants	10.00
January to April		15.00

DEND. GATTUN X SUNRAY F.C.C. Dend. Dalhousieanum

(Luteum X Dend. Illustre)

The most beautiful Yellow Spray in cultivation	Plants	\$35.00
January to April		50.00
		75.00

CYPREDIUMS

Choice above-the-average Flowering Size Plants

Prices:	\$ 7.50
	10.00
	15.00
	25.00

CYP. MAKALE (Cyp. Cardinal Mercier X Cyp. Lemann Ducis)

Pleasant Maroon splashed combination

CYP. MONTCALM (Cyp. Dreadnought X Cyp. Shogun)

Brown with Maroon splashing

CYP. GLENSHEA (Cyp. Euryostom X Cyp. Thrums)

Beautiful Pink and Brown combination

CYP. LOUDWATER (Cyp. Cardinal Mercier X Cyp. John Henry)

Gorgeous Maroon and Pink combination

Bargain Collections

5 Plants of \$ 7.50	Plants \$ 30.00
5 Plants of 10.00	Plants 40.00
5 Plants of 15.00	Plants 60.00
5 Plants of 25.00	Plants 100.00

GENERAL INFORMATION and SPECIAL INSTRUCTIONS

SEEDLINGS IN TUBES

Seedlings in tubes will be shipped dry; that is, removed from the agar-agar and put back into the tubes dry. This prevents the stirring up of seedlings during shipment. Seedlings in tubes are never offered for sale until they are ready for transplanting into community pots. To avoid excessive losses, prepare your community pots in advance and plan to transplant seedlings upon arrival.

CUSTOMERS WHO WISH TO HAVE THEIR SEEDLINGS GROWN IN TUBES A WHILE LONGER SHOULD PLAN TO PICK THEM UP HERE AT KIESEWETTER'S ORCHID GARDENS.

ORDERING

Orders may be placed early to reserve your selections, but shipments will be made only when weather conditions permit safe delivery to your door. Orchid plants must be guarded against chilling since they may not recover from the set-back suffered. The safe shipping period opens about April 15th and continues through October. If shipment is made to a cold area, you should plan to pick up the parcel immediately upon arrival, thus averting delays and exposure in unheated delivery trucks.

When you place your order, please mention a second choice, if you have one. NO SUBSTITUTIONS WILL BE MADE WITHOUT SPECIFIC INSTRUCTIONS FROM YOU.

PRINT OR TYPE YOUR NAME AND ADDRESS CLEARLY.

INCLUDE DEFINITE SHIPPING INSTRUCTIONS WITH ALL ORDERS.

SHIPPING

There is no charge for packing.

We recommend using Railway Express whenever possible, especially on large orders.

Large orders shipped by Railway Express are better shipped out of pot since there is a considerable saving in charges.

The cost of shipping by Air makes it advisable to ship out of pot.

Shipments are made to all parts of the United States and many foreign countries, but we do not assume responsibility for the safe delivery of the shipment as we make sure that the order is carefully packed when it leaves our greenhouses. Therefore, we suggest that the plants are carefully examined upon arrival and if there is any indication of damage, a claim should immediately be filed with the carrier. We can only make replacements where a filed claim has been made to insure reimbursement to us.

All shipments outside of the United States are at the purchaser's risk.

All freight and express packages marked for delivery within the boundaries of continental United States will be sent COLLECT. When prepayment of postage is required, we will advance the necessary charges and a statement will be forwarded to you following shipment. Prompt reimbursement of these charges will be appreciated.

Selection is unfailingly made from the finest and largest plants available in each lot of the cross in your order; however, please remember that all crosses do not attain the same size at the same time, therefore, do not expect to receive seedlings all of equal size when ordering various crosses. They may or may not be so, and the explanation is simple: all of the tubes are not started at the same time, therefore, the period of growth varies in each case placing different crosses at an individual stage of development. Furthermore, different parent plants evidence different growing habits often reflected in the seedlings produced by these plants. Also, the amount and intensity of sunlight during any one season plays an important part in the growth of plants: seedling size from the same cross may vary somewhat from one year to another. Be assured that you will receive the best from the lot that you have ordered.

ALL SHIPMENTS ARE MADE F.O.B. ROSLYN, L.I., NEW YORK

INSURANCE

All packages will be insured to the full value of their contents except when they are to travel by mail. The U. S. Post Office will not accept parcels containing plants for insurance. Our careful attention will be given to adequate insulation, secure wrapping, and labeling, but further responsibility after the parcel leaves our hands must be assumed by the customer.

PAYMENT

All orders are payable in U.S. Dollars; check, cash, or money order should accompany your order, unless previous arrangements have been made to open a credit account. When cash is used for payment, please send by Registered Mail for safe delivery.

ALL ITEMS LISTED ARE SUBJECT TO PRIOR SALE.

Non-Warranty

I, Ralph R. Kiesewetter, of Kiesewetter Orchid Gardens, give no warranty, express or implied, as to the productivity of any of the plants sold and will not be in any way responsible for the crop. My liability in all instances is limited to the purchase price of these plants.

Kiesewetter Orchid Plants and Seedlings
are available only from
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